



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

CBS RADIO STATIONS INC.
1725 DESALES ST NW
SUITE 501
WASHINGTON DC 20036

Ann Gallagher
Senior Engineer
Audio Division
Media Bureau

Facility Id: 6387

Call Sign: KFNQ

License File Number: BMML-20120119AFE

Grant Date: February 17, 2012

This license expires 3:00 a.m.
local time, February 01, 2014.

This license modifies license no.: BMML-20110124AD, reflecting the installation of a new transmitter and a new antenna monitor.

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve the public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

Hours of Operation: Unlimited

Average hours of sunrise and sunset:
Local Standard Time (Non-Advanced)

Jan.	8:00 AM	4:45 PM	Jul.	4:30 AM	8:00 PM
Feb.	7:15 AM	5:30 PM	Aug.	5:00 AM	7:30 PM
Mar.	6:30 AM	6:15 PM	Sep.	5:45 AM	6:30 PM
Apr.	5:30 AM	7:00 PM	Oct.	6:30 AM	5:30 PM
May	4:30 AM	7:45 PM	Nov.	7:15 AM	4:30 PM
Jun.	4:15 AM	8:15 PM	Dec.	7:45 AM	4:15 PM

Name of Licensee: CBS RADIO STATIONS INC.

Station Location: SEATTLE, WA

Frequency (kHz): 1090

Station Class: B

Antenna Coordinates:

Day

Latitude: N 47 Deg 23 Min 38 Sec

Longitude: W 122 Deg 25 Min 25 Sec

Night

Latitude: N 47 Deg 23 Min 38 Sec

Longitude: W 122 Deg 25 Min 25 Sec

Transmitter(s): Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Nominal Power (kW): Day: 50.0 Night: 50.0

Antenna Input Power (kW): Day: 52.7 Night: 52.7

Antenna Mode: Day: DA Night: DA

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes): Day: 32.45 Night: 32.45

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1037830	
2	1037829	
3	1037831	

Night:

Tower No.	ASRN	Overall Height (m)
1	1037830	
2	1037829	
3	1037831	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 2435.27 Night: 2431.76

Standard RMS (mV/m/km): Day: 2558.1 Night: 2554.43

Augmented RMS (mV/m/km):

Q Factor: Day: Night:

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0500	18.000	0.0000	0.000	0	160.0
2	1.0000	0.000	138.0000	123.000	0	160.0
3	0.5500	101.000	276.0000	123.000	0	160.0

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.4800	-55.000	0.0000	0.000	0	160.0
2	1.0000	0.000	138.0000	123.000	0	160.0
3	0.5400	63.000	276.0000	123.000	0	160.0

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	26.7	0.906
2	0	1
3	121.3	0.634

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-71.5	0.468
2	0	1
3	71.3	0.489

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License No.: BMML-20120119AFE

Antenna Monitor: POTOMAC INSTRUMENTS PI-1901

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

- 1 The licensee shall perform the measurements described in Section 73.155 at least once within each 24-month period.

- 2 The antenna monitor is driven by samples from a capacitive voltage divider network at the base of each tower.

*** END OF AUTHORIZATION ***